

ABSTRACT OF THE DISCLOSURE

A fixing device for use in an image forming apparatus capable of forming both-side images on a sheet by using a sheet reversing and conveying device, comprises: a heat applying rotary body having an elastic layer made of rubber and a toner releasing layer on top thereof, for coming into contact with and heating a side bearing an unfixed toner image of a transfer sheet; a pressure applying rotary body having an elastic layer made of rubber and a toner releasing layer on top thereof, for fixing and conveying the transfer material by coming into pressure contact and rotating with the heat applying rotary body; a drive source for driving one of the rotary bodies; and a heat applying source for heating one of the rotary bodies, wherein micro-hardness of the pressure applying rotary body is smaller than that of the heat applying rotary body.